



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/005,780

11/08/2001

Jane Dashevsky

INTL-0687-US (P13046)

1349

21906 7590 12/18/2006
TROP PRUNER & HU, PC
1616 S. VOSS ROAD, SUITE 750
HOUSTON, TX 77057-2631

EXAMINER

GESESSE, TILAHUN

ART UNIT

PAPER NUMBER

2618

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
--	-----------	---------------

3 MONTHS

12/18/2006

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/005,780

Applicant(s)

DASHEVSKY ET AL.

Examiner

Tilahun B. Gesesse

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 9/26/06 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-6, and 11, are rejected under 35 U.S.C. 102(e) as being anticipated by Leibniz et al (US 6,772,048).

Claim 1, Leibniz teaches a method (see a module (47 for controlling operation of machines through wireless communication see figure 3) which includes base band controller firmware (40), link manager firmware (42) , host controller interface (HCI) firmware (44) and transport firmware (46)) comprising:

Leibniz teaches handling the system-wide state of a wireless device through the host controller interface firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and

Art Unit: 2618

figures 3 and 4) , as per Bluetooth specific standard host control interface monitors overall operation of short range Bluetooth device.

Leibu teaches handling the state of each link with the device through the link manager firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) in which link manager monitors all links that takes place in the device, as defined in the bluetooth specification (see page 2, lines 4-5 of spec.).

Claim 2, Leibu teaches initiating communications with connection and link management (see figure 4, column 3, 25-32).

Claim 3, Leibu teaches establishing a connection between the device and an end point (see col.3, lines 25-32 and figure 4).

Claim 4, Leibu teaches handling base band handshaking through the host controller interface firmware (see HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) .

Claim 5, Leibu teaches handling logical link connection through the link manager firmware (see HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) .

Art Unit: 2618

Claim 6, Leibu teaches an article (see item #47 figure 3) (see HCI firmware, handles system wide state of wireless device, communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) .

comprising:

Leibu teaches a medium storing instructions that enable a processor-based system handle the system-wide state of a wireless device through the host controller interface firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) , as per Bluetooth specific standard host control interface monitors overall operation of short range Bluetooth device.

Leibu teaches handle the state of each link with the device through the link manager firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) in which link manager monitors all links that takes place in the device.

Claim 11, Leibu teaches a wireless system (see figures 3-4, vending machine and control module interfaces wirelessly) comprising:

Leibu teaches a processor; and a storage coupled to said processor storing instructions that enable the processor to:

Leibu teaches handle the system-wide state of the system through the host controller interface firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and

Art Unit: 2618

figures 3 and 4) , as per Bluetooth specific standard host control interface monitors overall operation of short range Bluetooth device.

Leibu teaches handle the state of each link with the system through the link manager firmware (HCI firmware, handles system wide state of wireless device , communicating with vending machine mode (48) , column 3, lines 5-32 and figures 3 and 4) , as per Bluetooth specific standard host control interface monitors overall operation of short range Bluetooth device (see page2, lines 4-5 of col.1).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 7-10 and 12-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Leibu in view of Lunsford et al (US 6,614,350).

Claims 7-10 and 12-15, Leibu does not expressly teach said storage stores instructions that enable the processor to initiate communications with connection and link management, to establish a connection between the system and a remote end point, to handle base band handshaking through the host controller interface firmware and to handle logical link connection through the link manager firmware.

Art Unit: 2618

However, Lunsford teaches proximity or short range communication central processor for processing the digital information and instructions, read from a main memory (see column 5, lines 40-57 and figure 5 col. 9, lines 5- 40). Both Leibu and Lunsford deals with short range communication, such as Bluetooth interface, then, it would have been obvious to artisan of ordinary skill in the art at the time of the invention made to store instructions in memory for the processor, in Leibu system, as taught by Lunsford, for monitoring system wide interface and avoid error from occurring.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 571-272-7879. The examiner can normally be reached on flexible schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on 571-272-7899.

The Central FAX Number is 571-273-8300. For patent related correspondence, hand carry deliveries must be made to the Customer Service Window (now located at the Randolph Building, 401 Dulany Street, Alexandria, VA 22314), and facsimile transmissions must be sent to the Central FAX number, unless an exception applies.

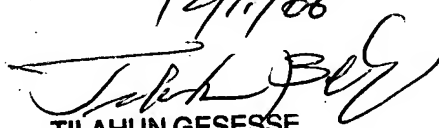
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public

Art Unit: 2618

PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TG

12/10/06

12/11/06

TILAHUN GESESSE
PRIMARY EXAMINER